## AMENDMENT TO THE CLAIMS

1	1. (Currently Amended) An equine dental
2	apparatus for floating the teeth of horses comprising:
3	a tool body;
4	a drive shaft <u>disposed along a first axis</u>
5	inside of the tool body, wherein the drive shaft
6	includes a first end configured for attachment to a
7	drive mechanism and a second end opposite the first
8	end; and
9	a grinding member connected to the second end
10	and partially housed in the tool body, wherein when the
11	tool body is held in a fixed position with the drive
12	shaft oriented horizontally, the grinding member is
13	capable of pivoting upward through a first range of
14	angles relative to the drive shaft and is further
15	capable of pivoting downward through a second range of
16	angles relative to the drive shaft.
1	<ol><li>(New) The equine dental apparatus of claim l</li></ol>
2	. Wherein the tool body includes a pivot joint having a pivot
3	axis, and further wherein the grinding member pivots through
4	the range of angles about the pivot axis.
1	<ol><li>(New) The equine dental apparatus of claim 2</li></ol>
2	wherein the pivot axis is perpendicular to the first axis.
1	<ol> <li>(New) The equine dental apparatus of claim 2</li> </ol>
2	wherein the pivot axis intersects the first axis.
1	<ol><li>(New) The equine dental apparatus of claim 2</li></ol>
2	wherein the drive shaft includes a first section disposed to
3	rotate about the first agis a second section disposed to

- 4 rotate about a second axis, and a ball and socket joint
- 5 disposed to couple the second section to the first section,
- 6 wherein the ball and socket joint is disposed inside of the
- 7 pivot joint.
- 1 6. (New) The equine dental apparatus of claim 2
- 2 wherein the apparatus further comprises a vacuum port
- 3 disposed to suction enamel dust produced during the floating
- 4 of teeth, wherein the vacuum port passes through the pivot
- 5 joint.
- 7. (New) The equine dental apparatus of claim 2
- 2 wherein the apparatus further comprises a source of
- 3 illumination disposed to illuminate the teeth being floated,
- 4 wherein the source of illumination passes through the pivot
- 5 joint.
- 1 8. (New) The equine dental apparatus of claim 7
- 2 wherein the source of illumination includes a cable, wherein
- 3 the cable passes through the pivot joint.
- 9. (New) The equine dental apparatus of claim 8
- wherein the cable is a fiber optic cable.
- 1 10. (New) The equine dental apparatus of claim 1
- 2 wherein the apparatus further comprising a vacuum port
- 3 disposed to suction enamel dust produced during the floating
- of teeth, wherein a portion of the vacuum port is disposed
- 5 inside of the tool body.
- 1 11. (New) The equine dental apparatus of claim 1
- 2 wherein the apparatus further comprising a source of
- 3 illumination disposed to illuminate the teeth being floated,

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- 4 wherein the source of illumination is at least partially
- 5 disposed inside of the tool body.
- 1 12. (New) The equine dental apparatus of claim
- 2 11 wherein the source of illumination includes a cable,
- 3 wherein the cable is at least partially disposed inside of
- 4 the tool body.
- 1 13. (New) The equine dental apparatus of claim
- 2 12 wherein the cable is a fiber optic cable.
- 1 14. (New) The equine dental apparatus of claim 1
- 2 further comprising the drive mechanism.
- 1 15. (New) The equine dental apparatus of claim 1
- wherein the apparatus is configured for attachment to an
- 3 external vacuum source, and further wherein the apparatus is
- 4 configured to provide vacuum suction from the external
- 5 vacuum source to the vicinity of the grinding member to
- 6 suction material produced during the floating of teeth.
- 1 16. (New) The equine dental apparatus of claim
- 2 15 further comprising the external vacuum source.
- 1 17. (New) The equine dental apparatus of claim 1
- 2 wherein the apparatus is configured for attachment to an
- 3 external light source, and further wherein the apparatus is
- 4 configured to provide light from the external light source
- 5 to the vicinity of the grinding member.
- 1 18. (New) The equine dental apparatus of claim
- 2 17 further comprising the external light source.

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11 12 19.

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(New) An equine dental apparatus for

2	floating the teeth of horses comprising:
3	a first drive shaft disposed along a first
4	axis and configured for attachment to a drive
·5	mechanism;
6	a second drive shaft coupled to the first
7	drive shaft, wherein the second drive shaft pivots
8	relative to the first drive shaft about a second axis
9	different from the first axis, wherein the second axis
10	intersects the first axis; and
11	a grinding member attached to the second
12	drive shaft.
1	20. (New) The equine dental apparatus of claim
2	19 further comprising:
3	a first housing member, wherein the first drive
4	shaft is at least partially disposed inside of the first
5	housing member;
6	a second housing member, wherein the second drive
7	shaft is at least partially disposed inside of the second
8	housing member; and
9	a pivot joint connecting the second housing member
10	to the first housing member, wherein the pivot joint pivots

1 21. (New) The equine dental apparatus of claim
2 20 wherein the apparatus further comprises a vacuum
3 passageway disposed to suction enamel dust produced during
4 the floating of teeth, wherein the vacuum passageway passes
5 through the pivot joint.

pivot relative to the first housing member.

about the second axis to allow the second housing member to

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- 1 22. (New) The equine dental apparatus of claim
- 2 20 wherein the apparatus further comprises a source of
- 3 illumination disposed to illuminate the teeth being floated,
- 4 wherein the source of illumination passes through the pivot
- 5 joint.
- 1 23. (New) The equine dental apparatus of claim
- 2 22 wherein the source of illumination includes a cable,
- 3 wherein the cable passes through the pivot joint.
- 1 24. (New) The equine dental apparatus of claim
- 2 23 wherein the cable is a fiber optic cable.
- 1 25. (New) The equine dental apparatus of claim
- 2 20 wherein the apparatus further comprises a vacuum
- 3 passageway disposed to suction enamel dust produced during
- 4 the floating of teeth, wherein a portion of the vacuum
- 5 passageway is disposed inside of the first and second
- 6 housing members.
- 1 26. (New) The equine dental apparatus of claim
- 2 20 wherein the apparatus further comprises a source of
- 3 illumination disposed to illuminate the teeth being floated,
- 4 wherein the source of illumination is at least partially
- 5 disposed inside of the first and second housing members.
- 1 27. (New) The equine dental apparatus of claim
- 2 26 wherein the source of illumination includes a cable,
- 3 wherein the cable is at least partially disposed inside of
- 4 the first and second housing members.
- 1 28. (New) The equine dental apparatus of claim
- 2 27 wherein the cable is a fiber optic cable.

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1	29. (New) The equine dental apparatus of claim
2	19 wherein the apparatus is configured for attachment to an
3	external vacuum source, and further wherein the apparatus is
4	configured to provide vacuum suction from the external
5	vacuum source to the vicinity of the grinding member to
6	suction enamel dust produced during the floating of teeth.
1 .	30. (New) The equine dental apparatus of claim
2	29 further comprising the external vacuum source.
1	31. (New) The equine dental apparatus of claim
2	19 wherein the apparatus is configured for attachment to an
3	external light source, and further wherein the apparatus is
4	configured to provide light from the external light source
5	to the vicinity of the grinding member.
1	32. (New) The equine dental apparatus of claim
2	31 further comprising the external light source.
1	33. (New) The equine dental apparatus of claim
2	19 further comprising the drive mechanism.
1	34. (New) The equine dental apparatus of claim
2	19 wherein the second axis is perpendicular to the first
3	axis.
ı	35. (New) An equine dental apparatus for
2	floating the teeth of horses comprising:
3	a drive shaft configured for attachment to a
4	drive mechanism, wherein the drive shaft includes a
5	first section disposed along a first axis and a second
6 ·	section coupled to the first section, wherein the

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Attorney Docket No.: 28040-1 7 second section pivots relative to the first section 8 about a second axis different from the first axis, 9 wherein the second axis intersects the first axis; and 10 a grinding member attached to the second 11 section. 1 36. The equine dental apparatus of claim (New) 2 35 wherein the second axis is perpendicular to the first 3 axis. 1 37. (New) An equine dental apparatus for 2 floating the teeth of horses comprising: 3 a first tool body member; 4 a second tool body member; 5 a drive shaft having a first section at least 6 partially disposed inside of the first tool body member 7 and a second section at least partially disposed inside 8 of the second tool body member, wherein the second 9 section is coupled to the first section, and further wherein the first section is disposed to rotate about a 10 11 first axis; 12 a grinding member connected to the second 13 section of the drive shaft and at least partially 14 disposed inside of the second tool body member; and 15 a pivot joint connecting the first tool body 16 member to the second tool body member, wherein when the 17 first tool body member is held in a fixed position such 18 that the first axis is horizontal, the second tool body member is capable of pivoting upward through a first 19 20 range of angles relative to the first tool body member 21 and is further capable of pivoting downward through a 22 second range of angles relative to the first tool body 23 member.

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shaft.

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38. (New) The equine dental apparatus of claim
37 wherein the pivot joint further includes a ball and
3 socket joint disposed between the first tool body member and
4 the second tool body member.

39. (New) The equine dental apparatus of claim
3 wherein the ball and socket joint couples the second

section of the drive shaft to the first section of the drive